

The Computer Information Technology – System Administration & Security degree is designed for students who want to work in the business world and give technical assistance to business' or organizations' computer systems and users. The CIT-SAS curriculum provides students with a broad understanding of core business functions, development of problem solving skills, computer support specialist skills, help-desk support skills, network and computer systems administration skills, and computer security skills to prepare for immediate employment in information technology systems administrations & security and advancement into management positions. Graduates of the CIT program are prepared for positions as LAN support, system administrators, network administrators, security administrators, or microcomputer specialists in business and industry. This degree features preparation for several industry standard certifications such as: CompTIA's A+, Network+, Linux+, & Security+ certifications, and Microsoft's MCITP: Server Administration certification. Students must pass the CompTIA A+ certification, and two of the following industry certifications (CompTIA Network +, Linux+, Cloud+, Security+; any of Microsoft's MCSA or MCSE exam certifications, and CISCO exams) prior to graduation.

### Course Requirements

Delta College				Ferris State University			
Course	Ferris Equiv.	Delta Course Titles	Cr. Hrs.	Course	Ferris Course Titles	Cr. Hrs.	
COM 112	COMM 121	Fund. of Oral Communications	3	ENGL 325	Advanced Writing for Business		
ENG 111*	ENGL 150	College Composition I	3	Or		3	
ENG 112	ENGL 250	College Composition II	3	ENGL 311	Advanced Technical Writing		
Delta*	VARIABLES	Natural Science Competency w/Lab	4	BLAW 321	Contract & Law	3	
Delta*	VARIABLES	Natural Science Elective	3	FINC 322	Financial Management I	3	
MTH 119AW or MTH 119W	MATH 115	Intermediate Algebra	4	ISYS 321	Business Information Systems	3	
Delta*	VARIABLES	FSU Cultural Competency Electives (Two different disciplines and 3+ credits @ 200+ level)	9	MGMT 370	Quality/Operation Management	3	
ECN 221W	ECON 221	Principles of Macroeconomics	4	BUSN 499	Interdisciplinary Integrating Experience	3	
ECN 222W	ECON 222	Principles of Microeconomics	4	CITS 250	Windows Client Administration	3	
Delta	VARIABLES	Social Awareness Elective	3	CITS 255	Windows Server 1	3	
Delta	VARIABLES	General Education Elective	3	CITS 360	Windows Server 3	3	
ACC 211	ACCT 201	Principles of Accounting I	4	CITS 370	Virtual System Administration	3	
ACC 212	ACCT 202	Principles of Accounting II	4	CITS 480	Senior Project and Capstone	3	
MTH 208W	STQM 260	Elementary Statistics	3	CITS 491*	CIT Internship	3	
MGT 243	MKTG 321	Principles of Marketing	3	PROJ 320	Project Management	3	
MGT 245	MGMT 301	Principles of Management	3				
CST 173	ISYS 110	Introduction to Programming	2				
CST 128	CITS 150	PC Hardware Concepts & Troubleshooting	4				
CST 228	CITS 160	Advanced PC Troubleshooting	4				
CST 263	CITS 260	Adv. Microsoft Networking	3				
CST 161	CITS 270	Network Fundamentals	3				
CST 165	CITS 280	Linux Networking I	3				
CST 152	CITS 320	Implement Network Security	3				
Delta	VARIABLES***	Choose 6 credits from Delta Classes (See FSU advisor)	6				
<b>Total Delta College Credits</b>			<b>88</b>	<b>Total Ferris Credits</b>			<b>39</b>
				<b>Credits Required for Degree</b>			<b>127</b>

\* CIT Internship not required with 1+ year(s) work experience in field. Credits will be substituted with directive elective (See FSU advisor)

\*\*\* Approved Delta Directive Electives: CST126, CST129, CST153, CST154W, CST155, CST156, CST158, CST164, CST173, CST180, CITS260, CST264, CST265, CST266, CST267, CST269, & CST283 (Note: This is only pre-approved Directive Electives, see your FSU faculty advisor to determine additional options.)

Students transferring to Ferris with the Michigan Transfer Agreement (MTA) and entering a degree program will have met a 30-hour block of lower-level general education courses. However, this does not exempt students from completing program specific prerequisites or higher-level general education course requirements. Students should contact their advisor regarding classes that meet the MTA.

Program Offered at:  
**Main Campus, Big Rapids**  
 College of Business  
 (800) 433-7747 or (231) 591-2420  
 COB@ferris.edu

[www.ferris.edu/transfer](http://www.ferris.edu/transfer)

**General Admission****New Students SAT Scores**

- 2.5 High School GPA (on a 4.0 scale)
- Two of the Three Criteria:
  - 1.SAT ERW score of 450 or higher.
  - 2.SAT Math score of 500 or higher. Placement in MATH 109/110 will be considered (SAT MATH score of 480 or higher).
  - 3.SAT Composite of 900 or higher.

**New Students ACT Scores**

- 2.5 High School GPA (on a 4.0 scale)
- Two of the Three Criteria:
  - 1.ACT English score of 16 or higher.
  - 2.ACT Math score of 19 or higher.
  - 3.ACT Reading score of 19 or higher

**Transfer Students - Big Rapids Main Campus**

- Combined college or university GPA of 2.5 (on a 4.0 scale) from all institutions attended. GPA is based on completion of 12 credit hours or more. Developmental courses will not be considered in computing the GPA requirement.
- Transfer equivalency for FSU English 150 or placement during the first semester at FSU which would require an ACT English score of 16 or higher; or SAT ERW score of 450; or Accuplacer English score 6 or higher.
- Transfer equivalency for FSU Math 114/115 or placement during the first semester at FSU which would require an ACT Math score of 19 or higher; or SAT score of 500; or Accuplacer MATH scores: Elementary Algebra score 75 or higher and College Level Math 0 – 49

**Advising Notes**

It is recommended that potential applicants meet with an advisor to review the degree, course schedule, and have any questions answered prior to completing an application. Students who are completing the MTA may have different general education course requirements for the particular degree selected. Meeting with a Ferris advisor prior to the selection of general education or elective course work may reduce the chance of completing a course that will not apply toward the selected degree. Once admitted, students must continue to meet with an advisor as they work toward graduation.

**Transfer Student Orientation**

All new students to Ferris State University are required to complete an orientation.

**Online Learning**

Select courses delivered online and/or in a mixed delivery format (i.e. a mix of online and face-to-face instruction at the Ferris Main Campus or at an off-campus location). The "Online Readiness Tutorial" is required for students who register for an online *course* or are completing an online *degree*. Students must demonstrate competency in Blackboard skills. This may be done by taking a tutorial and quiz, or, for students who have already taken and passed online courses, they can submit a waiver request. Students should check with the department that offers the class to determine its particular needs and/or the Ferris advisor regarding registration for online course work.

**Reverse Transfer Agreement**

The Community College and Ferris have entered into a partnership in order to work collaboratively and creatively to increase student completion of associate and bachelor degrees. The partners work together to provide a seamless transfer experience and increase student retention and completion at both the community college and Ferris.

**Michigan Transfer Agreement (MTA)**

Ferris participates in the Michigan Transfer Agreement (MTA). This agreement will facilitate the transfer of general education requirements from one Michigan institution to another. Students may complete the MTA as part of a degree program or as a stand-alone package. The MTA consists of a minimum of 30 general education credit hours as identified by the college or university.

**Disclaimer**

This is a guide for students who plan to transfer to Ferris State University. This guide is not intended to be a contract with Ferris. The information on this guide is subject to change. Students should contact their community college or Ferris to keep informed of changes. Final responsibility for verifying all transfer information lies with the student. Please refer to the effective and/or revised date on the bottom of the guide.